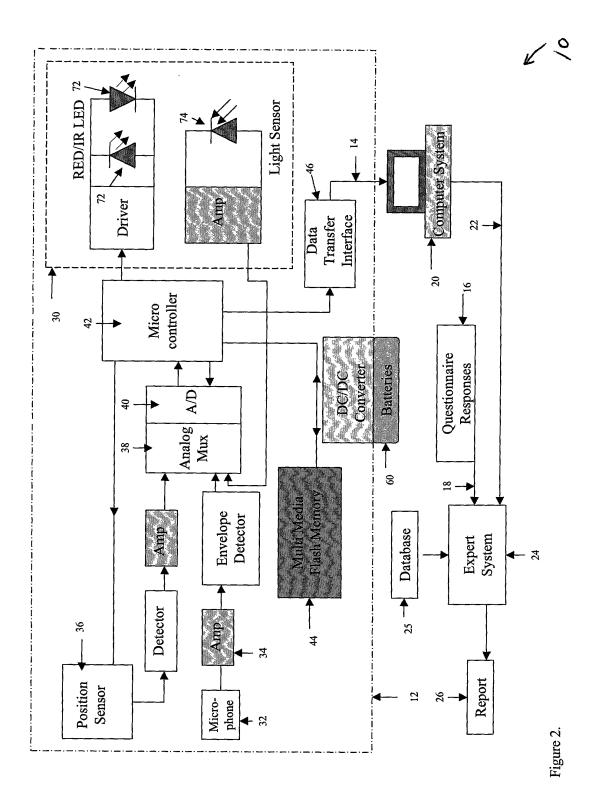


Figure 1.

1

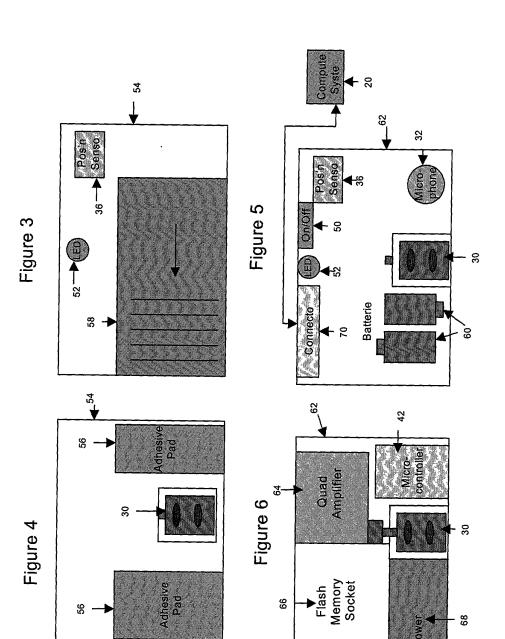
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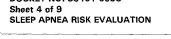
2

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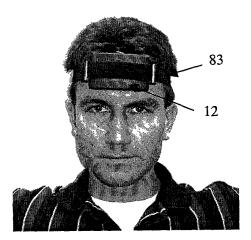


Figure 7.

5

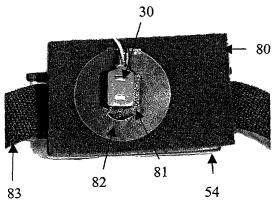


Figure 8.

10

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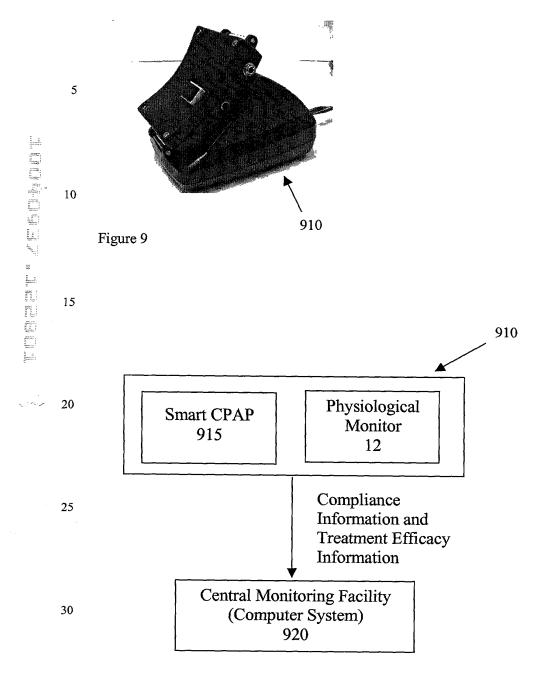


Figure 10

<sup>,</sup> 5

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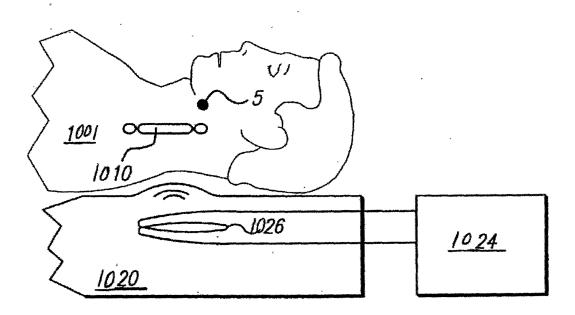


Figure 11

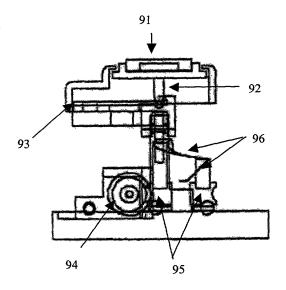


Figure 12. Illustration of SpO2 active pressure device.

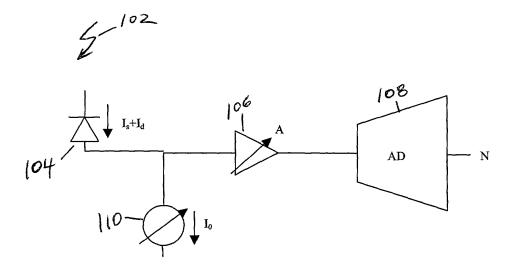


Figure 13. Diagram of SpO2 Measuring Circuit

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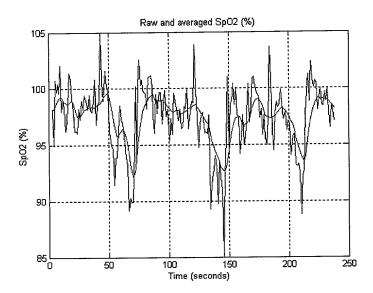


Figure 14. Illustration of the raw SpO2 signal and after application of the three level smoothing algorithm.

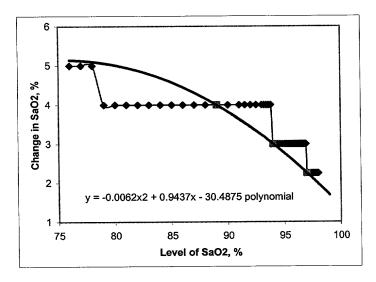


Figure 15: Curve of the regression line for calculating required magnitude of desaturation based on the stepped approach.

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Figure 16. Physiological monitor in alternative embodiment with airflow sensor.